

1/8

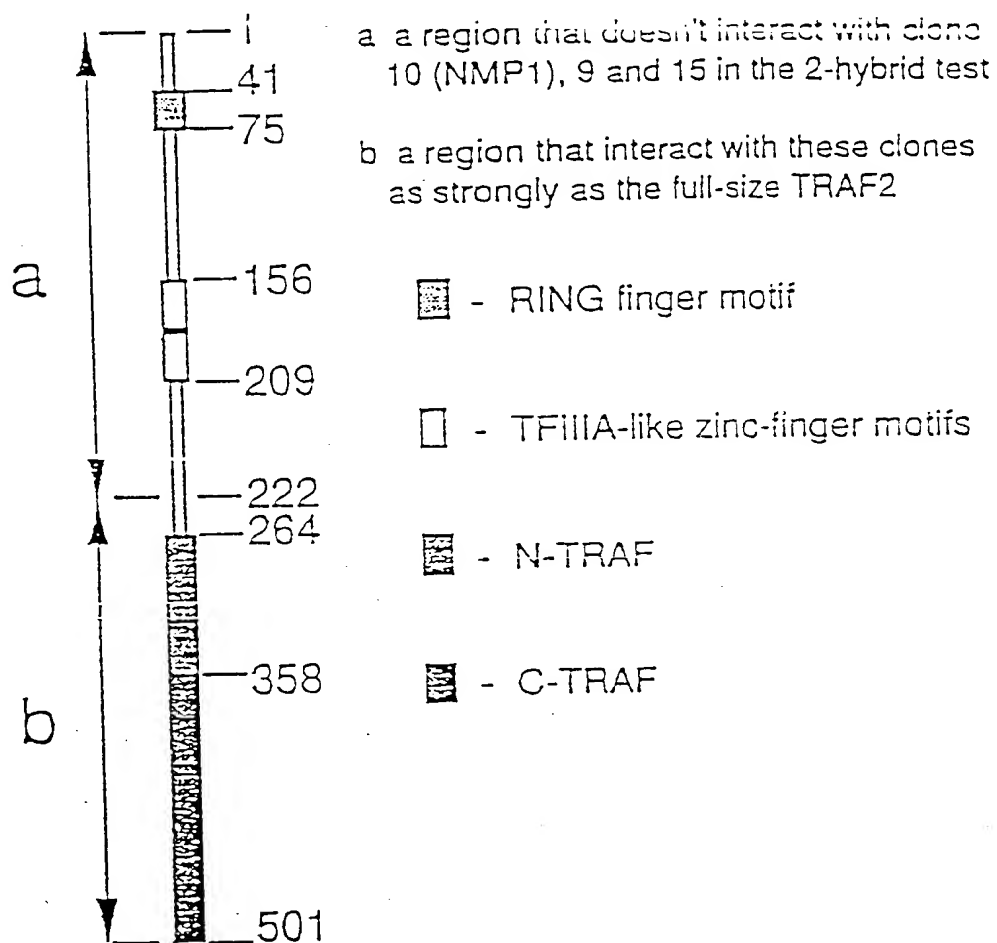


Fig. 1

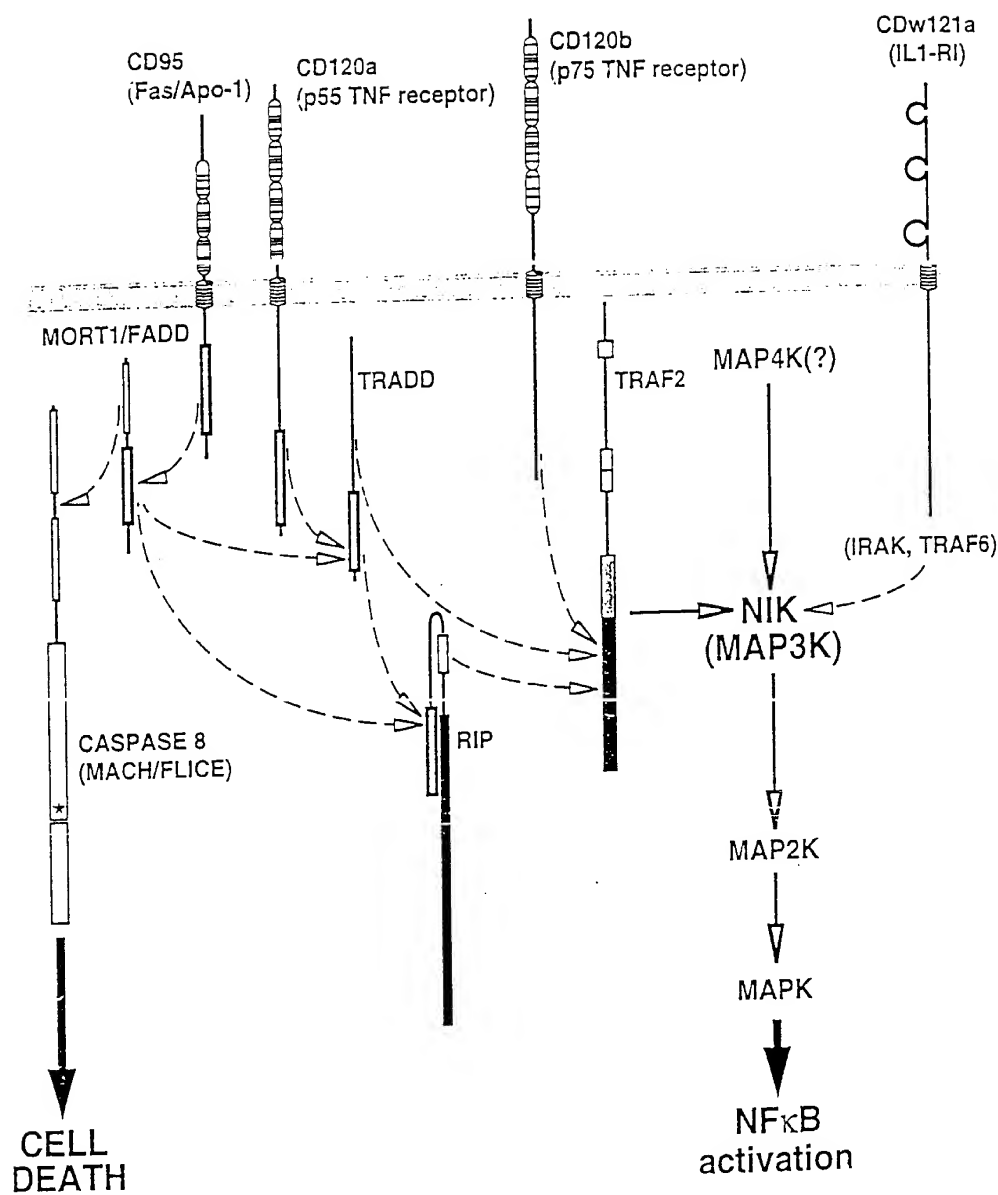


Fig. 2

New Kinase Sequences

A. Amino Acid sequence: boxed - kinase domain, underlined - CAFD domain.

1	MNGE	AICSA	L	PTIPV	HKLAD	LRYLS	RGSAG	TVSSA	RHADW	RVQAV	KHLIH	I	HTPL	DLSER	KDVL	REAIL	HKARF	SYIFP	ILGIC	NEPEF	LGIVTE	YMPH	100
101	GSLN	ELHRK	TEYD	VAVMPL	RFRIL	HETAL	GVNYL	HNTPT	PLUHL	DLKTQ	N	ILLD	NEFHV	KIAD	FGLSK	RMMSL	SQSFS	SKSAPE	GGTI	IYMPEN	YEP	200	
201	GQKS	RASIKH	DIYS	AVITW	EVLRS	KOPFE	DVTNP	LQIMY	SVSQH	RHPVI	N	EESI	PYDIP	HRARM	ISLIE	SGWAQ	NPDPR	PSFLK	CLIEL	EPVLR	TFEI	300	
301	TFLE	AVIQLK	KTKLQ	SVSSA	IHLCD	KKKME	LSLNIP	VNHG	PQEE	SGSSQ	L	HENSG	SPET	SRSLP	APQDN	DFLSR	KAQIC	YFMKL	HHCPG	NHSD	STISG	400	
401	SQRA	AFCDHK	TPPCS	SAIIN	PLSTA	GNRSR	LQPGI	AQWMI	QSKRE	ILVQ	M	TEAC	ILNQSL	DALLS	RDLIM	KEDYEL	VSTK	PTRTSK	VROL	LDTTD	IQGEE	500	
501	PAKV	IVQKLK	DNKQ	MGLO	PHY	PEILV	VRSP	SLNLL	QNKSM													540	

B. Nucleotide sequence.

1	GGCCA	TATG	GATGG	ATGG	CGGCG	TACG	CGCTT	GGC	CAGCT	CTCTAG	1	AAAGA	AGTC	AGCT	TGGT	CGGAG	AAGCA	GCG	CTGGC	TGGG	CCATCC	100
101	GGGA	ATGG	CGCC	CTGTG	ACCTAG	TGTT	CGGGG	CAAA	AAGGT	CTTG	2	CGG	CTC	CG	CGCTG	CGG	CTAT	TGCG	CGG	CTG	CGG	200
201	AGCT	TGGG	AGCG	CGCG	CAG	CGGGG	CAC	ACCGG	AAC	CGCT	TGCG	3	CGG	GAC	CA	TGA	CGGG	GGA	GGC	ATCT	CG	300
301	CTAC	CAACA	ATC	CGCG	GACC	TGGC	CTAC	CT	GAGCG	CGCG	4	CTG	TG	CTG	CTG	CG	CGCG	CG	CG	CG	CG	400
401	CAC	CTG	CA	CA	CA	CA	CA	CA	CA	CA	5	AAG	AG	AG	AG	AG	AG	AG	AG	AG	AG	500
501	TTTT	TGG	GA	AT	TTG	CA	AT	TTG	CA	AT	6	ATG	CA	AT	TTG	CA	AT	TTG	CA	AT	TTG	600
601	TGAT	GTG	TG	GT	GT	GT	GT	GT	GT	GT	7	GTG	TA	AT	TTG	CA	AT	TTG	CA	AT	TTG	700
701	AAG	ACT	CAG	AT	AT	CT	CT	CT	CT	CT	8	GTG	TA	AT	TTG	CA	AT	TTG	CA	AT	TTG	800
801	GCA	AT	CT	CT	CT	CT	CT	CT	CT	CT	9	ATG	CA	AT	TTG	CA	AT	TTG	CA	AT	TTG	900
901	CTAT	GAG	TT	AT	CA	CA	CA	CA	CA	CA	10	TAT	G	AC	CT	G	AC	CT	G	AC	CT	1000
1001	CCT	GT	TA	TA	TA	TA	TA	TA	TA	TA	11	TAT	G	AC	CT	G	AC	CT	G	AC	CT	1100
1101	CAT	CT	TT	CT	TT	CT	TT	CT	TT	CT	12	GA	G	AT	TA	TA	TA	TA	TA	TA	TA	1200
1201	AC	AG	AT	GT	TTA	AT	AG	AT	GT	TTA	13	TAT	CT	CT	GA	AT	TA	TA	TA	TA	TA	1300
1301	TC	CT	CT	CA	CA	CA	CA	CA	CA	CA	14	GC	AG	CT	CT	CA	CA	CA	CA	CA	CA	1400
1401	AT	TT	TT	AT	GA	CT	GC	AT	CA	CA	15	AT	TT	TT	AT	GA	CT	GC	AT	CA	CA	1500
1501	CT	CT	TT	CA	CA	CA	CA	CA	CA	CA	16	TG	CA	AG	CT	CT	CA	CA	CA	CA	CA	1600
1601	GT	CA	CA	CA	CA	CA	CA	CA	CA	CA	17	GT	CA	AG	CT	CT	CA	CA	CA	CA	CA	1700
1701	CT	CA	AG	CT	CT	CA	CA	CA	CA	CA	18	GG	AG	AG	AT	TT	GA	TA	TA	TA	TA	1800
1801	AT	GG	CT	CT	CT	CT	CT	CT	CT	CT	19	CT	TT	AA	AT	TT	GA	TA	TA	TA	TA	1900
1901	GA	AT	GT	GT	TT	CA	TA	AA	AG	AT	20	TT	AT	TA	TA	TA	TA	TA	TA	TA	TA	2000
2001	AT	AT	AT	AT	AT	AT	AT	AT	AT	AT	21	TA	AA	AT	TT	GA	TA	TA	TA	TA	TA	2100

4/8

NORTHERN BLOT ANALYSIS OF B1 mRNA EXPRESSION

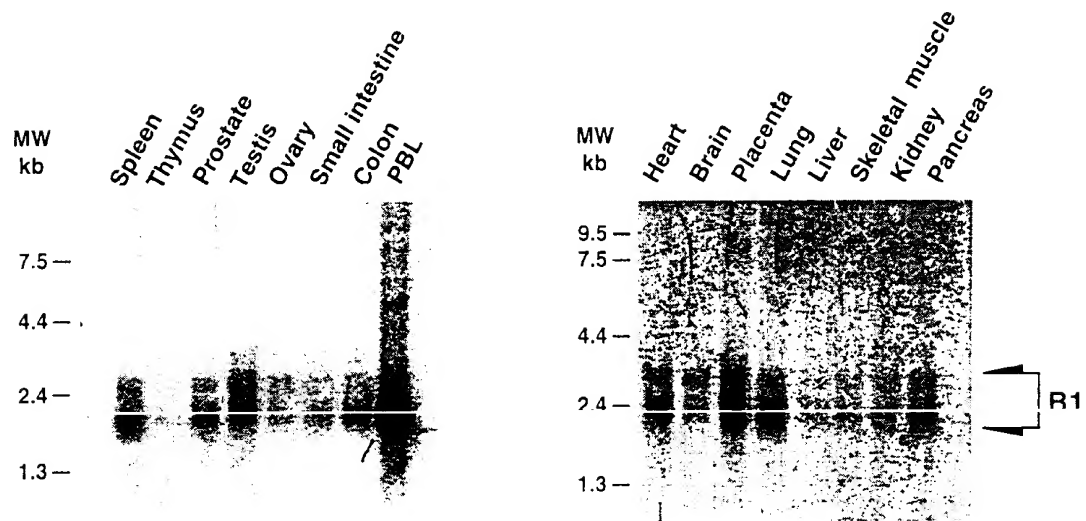


Fig. 4

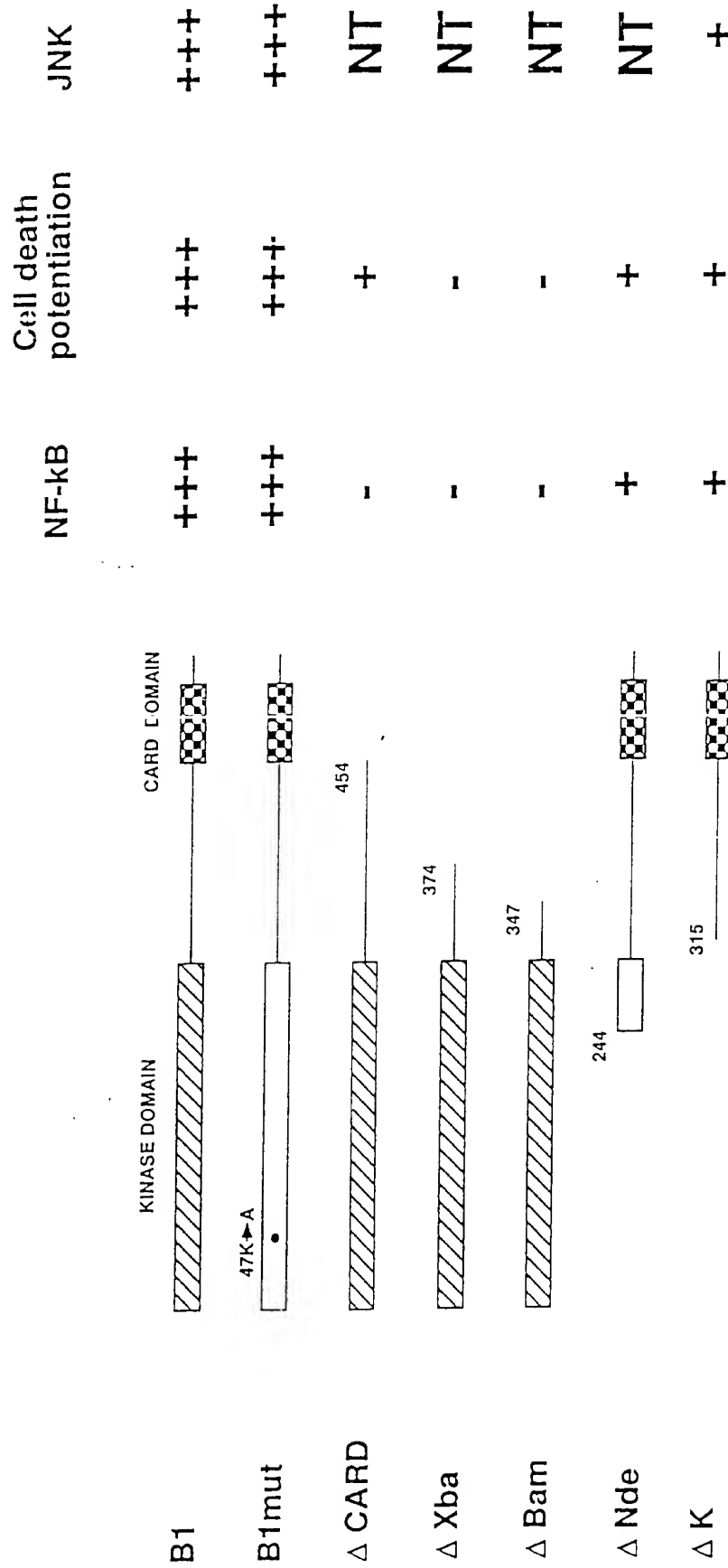


Fig. 5

6/8

**Deletion analysis of B1 ability
to activate NF-kB transcriptional factor**

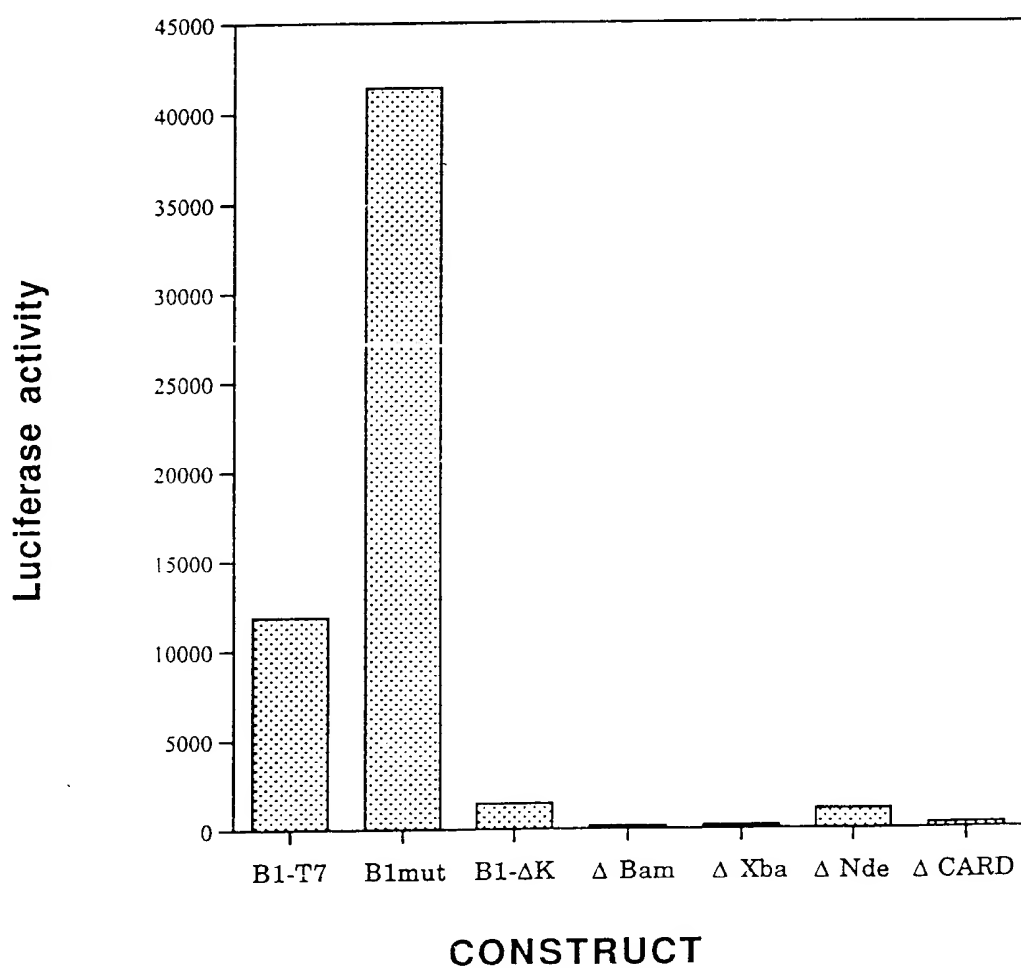


Fig. 6

Mutational analysis of B1 ability to activate JNK1 pathway

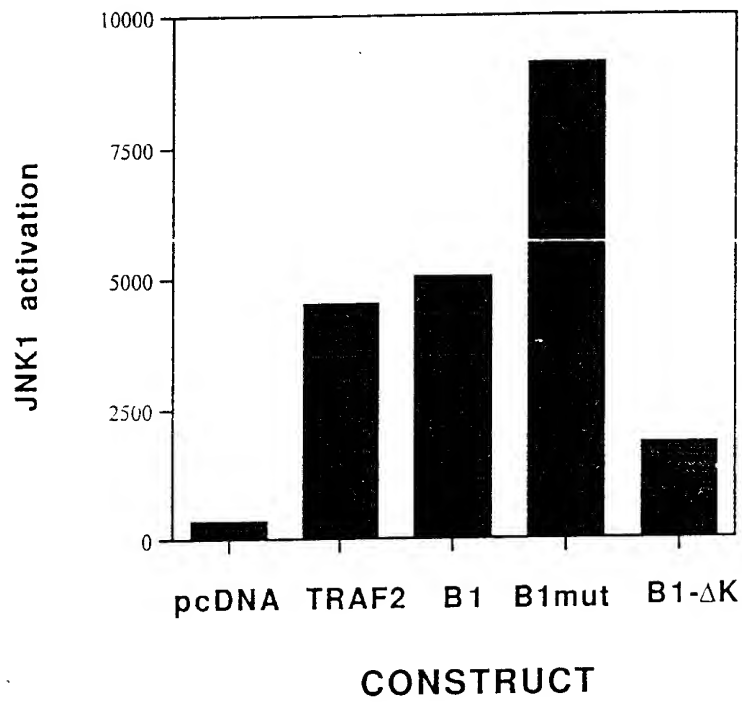


Fig. 7

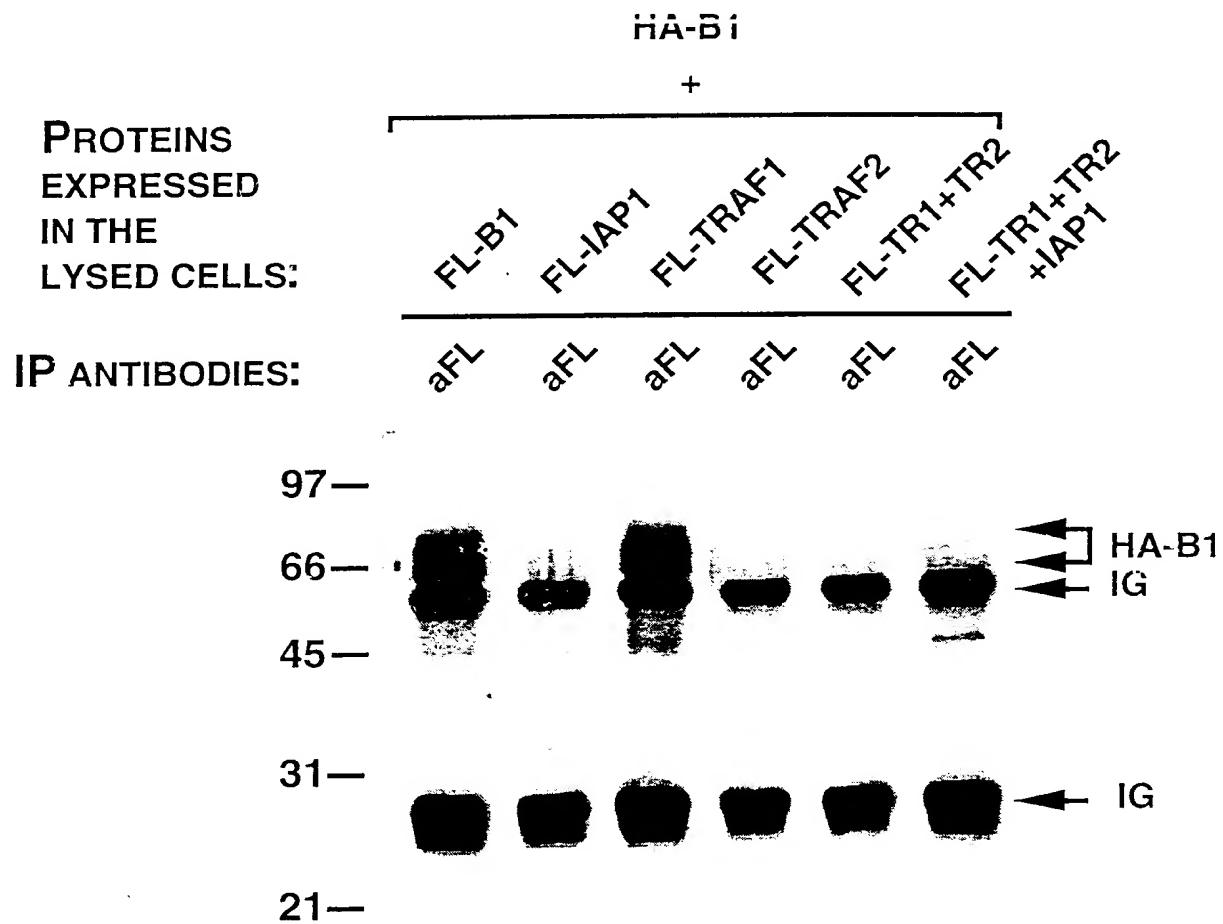
B1 interacts with TRAF1 in vivo

Fig. 8